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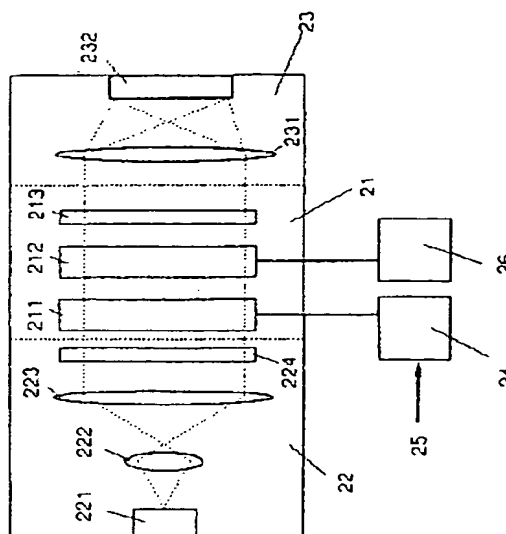
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TITLE : ENCIPHERING METHOD AND
ENCIPHERING DEVICE



ABSTRACT : PURPOSE: To execute the encipherment and decoding of data of a large capacity at a high speed by executing an operation of key array data determined in advance and exclusive OR to original array data.

CONSTITUTION: When original array data is inputted to one piece of two pieces of liquid crystal panels 211, 212, and key array data is inputted to the other one piece, as for its output, as to only the part in which the key array data is '1', the original array data is inverted and cipher array data is obtained. Also, at the time of decoding, when the cipher array data is inputted to one piece of two pieces of liquid crystal panels 211, 212, and the key array data is inputted to the other one piece, as for its output, as to only the part in which the key array data is '1', the cipher array data is inverted, and the original array data can be reproduced. In this case, in the case erroneous key array data is inputted, it becomes array data being different from the original array data. Since the processing for enciphering an image is executed simultaneously with regard to all picture elements by an optical operation, the encipherment can be executed at a high speed with respect to an image of high definition having a large information quantity.

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